

Human Multidrug resistance protein 1 ELISA Kit | ABCB1 elisa kit

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CATALOG #
AAA101022

REACTIVITY
Human

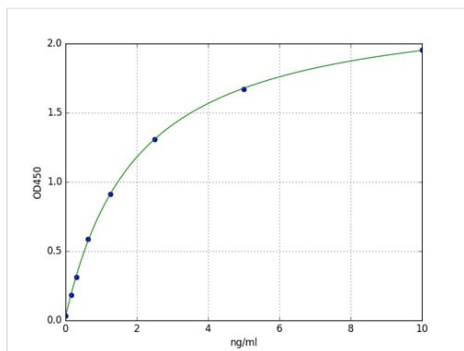
PRODUCT SYNONYMS

Multidrug resistance protein 1; Human Multidrug resistance protein 1 ELISA Kit; ABCB1/MDR1/PGY1/CD243/ATP-binding cassette sub-family B member 1/P-glycoprotein 1/ABC20/ABCB1B/CLCS/GP170/IBD13/ATP-binding cassette; sub-family B (MDR/TAP); member 1/CD243 antigen/CLCS/colchicin sensitivity/doxorubicin resistance/EC 3.6.3/EC 3.6.3.44/MDR1MGC163296/multidrug resistance protein 1/P-glycoprotein 1/P-gp/PGY1P-GP; ABCB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1465
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human ABCB1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.065	0.116	0.159	0.326	0.390	0.887	1.439	2.156

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ABCB1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human ABCB1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human ABCB1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human ABCB1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human ABCB1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	270047481
NCBI GeneID	100313949
NCBI Accession #	NP_001161802.1
NCBI GenBank Nucleotide #	NM_001168330.1
NCBI Official Full Name	multidrug resistance protein 1
NCBI Official Symbol	mrp1
NCBI Protein Information	multidrug resistance protein 1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/abcb1-human-elisa-kits/multidrug-resistance-protein-1/101022>